



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 5

Data Qualified?

Yes / No

October 2016

STORET Station Name: Pine Hill Lake Middle

Date: 12/07/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0054

WBID: 564B

Latitude: 30.58492

(Decimal Degrees)

County: Leon

RQ - 2016-12-05-59

ORG ID: 21FLWQA

Longitude: -84.2195

(Decimal Degrees)

Receiving Body of Water: UNNAMED DRAIN (WBI) Field ID: G1WA0054 12072016

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Robert Wiwi				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
Diana Turner				☐	☐	☐	☐	☐	☐ Carboy	☒ Syringe		
				☐	☐	☐	☐	☐	☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☐ Wading	☒ Via Boat		
									☐ From Shore	☒ Canoe/Kayak		
									☐ Other (note below)	☐ Electric Motor		
										☐ Gasoline Motor		
Water Level: Dry / Low / ☒ Normal / High / Flooded				Matrix: ☒ Fresh / Marine / DI				Tide Falling: Yes / No / ☒ NA				
Meter ID# Bidoga 2				Photos: Yes / ☒ No								
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)		
EST	12:00	0.3	1.2	10.3	109	7.5	0.02	VOB	42	19.2		
CEN												
Biological Samples Collected: ☒ None HA SCI LVS RPS LVI Other												
Parameter Suite		Parameter Methods				Preservation		Acid Lot#		Expiration		
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☐ H2SO4		SA-6209120		7/27/17		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO2				<2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice						
Chlorophyll		☒ CHLSUITE-W				☒ Ice						
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice						
Physical/Aggregate (Marine)		☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin						
Microbiology		☐ E Coli ☐ F Coli ☐ Enteroc ☐ QPCR				☐ Ice						
Periphyton		☐ ALGAE-ID				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R				☐ Ice						
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other						

Contains
1:1
Sulfuric Acid
SA-6209120
EXP: 07/27/17
Warning!
See SDS

Notes:		Field ID →	
Pine Hill Lake Middle		Pine Hill Lake Middle	
Dec. 07, 2016		G1WA0054-12072016	
Signature:		Date: 12/7/16	

Field Parameters Entered into LIMS: DC 12/9/16 (Initials/Date) Field Parameters QC in LIMS: _____ (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date) Field Sheets Scanned/Saved: _____ (Initials/Date)

Field ID →
 Lake Monkey
 Business Middle
 Dec. 07, 2016
 STORET ↓
 G1WA00036

Field ID →
 Upper Dianne
 Lake Middle
 Dec. 07, 2016
 STORET ↓
 G1WA00041

Field ID →
 Lower Dianne
 Lake Middle
 Dec. 07, 2016
 STORET ↓
 G1WA00040

Collection (comp begin or grab)
☒ Grab
 Date 12/07/16 Time 9:30 AM
 Matrix (Salt, Fresh) Fresh
 Temp 19.3
 Salinity 0.02
 Diss. Oxygen (mg/L) 9.8
 pH 7.7
 Sample Depths (m) 0.3
 Sp. Conductance (umho/cm) 52
 Latitude (Decimal Degrees) 30.5986
 Longitude (Decimal Degrees) -84.23076
 Bottle Group(s) A

Collection (comp begin or grab)
☒ Grab
 Date 12/07/16 Time 10:20 AM
 Matrix (Salt, Fresh) Fresh
 Temp 19.3
 Salinity 0.03
 Diss. Oxygen (mg/L) 9.5
 pH 7.6
 Sample Depths (m) 0.3
 Sp. Conductance (umho/cm) 58
 Latitude (Decimal Degrees) 30.5986
 Longitude (Decimal Degrees) -84.23778
 Bottle Group(s) A

Collection (comp begin or grab)
☒ Grab
 Date 12/07/16 Time 11:15 AM
 Matrix (Salt, Fresh) Fresh
 Temp 18.9
 Salinity 0.03
 Diss. Oxygen (mg/L) 9.2
 pH 7.4
 Sample Depths (m) 0.3
 Sp. Conductance (umho/cm) 73
 Latitude (Decimal Degrees) 30.59355
 Longitude (Decimal Degrees) -84.23534
 Bottle Group(s) A

Field ID →
 Lower Dianne
 Lake Middle
 Dec. 07, 2016
 STORET ↓
 G1WA00040

Field ID →
 Upper Dianne
 Lake Middle
 Dec. 07, 2016
 STORET ↓
 G1WA00041

Field ID →
 Lower Dianne
 Lake Middle
 Dec. 07, 2016
 STORET ↓
 G1WA00040

Relinquished By: Diana Turner
 Date/Time 12/7/16 / 2:21 pm
 Number of Coolers 2
 Received By: [Signature]
 Date/Time 12-7-16 2:21 PM

Requester: Benjamin Ratjes
Collected By: Robert Wini & Diana Turner

Field Report Prepared By: Diana Turner
Sampling Agency: FDEP

Field ID →
Pine Hill
Lake Middle
Dec. 07, 2016
GTWA0054-12072016

Pine Hill
Lake Middle
STORET ↓
GTWA0054

Field ID →
Lake Tom
John Middle
Dec. 07, 2016
GTWA0043-12072016

Lake Tom
John Middle
STORET ↓
GTWA0043

Field ID
Killearn Chain of
Lakes Outlet at
Velda Dairy Fld.
across from Mint
Hill Ct.
GTWA0015-12072016

Killearn Chain of Lakes Outlet at
Velda Dairy Fld. across from Mint Hill Ct.
07 Dec. 2016
STORET ↓
GTWA0015

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/07/16 Time 12:00 pm	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 10.3	Diss. Oxygen (% Sat) 109			
Temp (C) 19.2	pH 7.5	Sample Depths (m) 0.3		Sp. Conductance (umho/cm) 42	A
Salinity (ppt) 0.02	Comments				
Latitude (Decimal Degrees) 30.58492		Longitude (Decimal Degrees) -84.2195			

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/07/16 Time 1:10 pm	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 10.0	Diss. Oxygen (% Sat) 106			
Temp (C) 19.2	pH 7.4	Sample Depths (m) 0.3		Sp. Conductance (umho/cm) 64	A
Salinity (ppt) 0.03	Comments				
Latitude (Decimal Degrees) 30.54484		Longitude (Decimal Degrees) -84.21478			

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/07/16 Time 1:45 pm	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 6.8	Diss. Oxygen (% Sat) 71.0			
Temp (C) 18.1	pH 7.0	Sample Depths (m) 0.15		Sp. Conductance (umho/cm) 74	A
Salinity (ppt) 0.03	Comments				
Latitude (Decimal Degrees) 30.53735		Longitude (Decimal Degrees) -84.22847			

Relinquished By: Diana Turner
Date/Time 12/7/16 / 2:21 pm
Number of Coolers 2
Received By: [Signature]
Date/Time 12-7-16 / 2:21 P.M.

Printed: 11/28/2016 1:36:14 PM

Page 1 of 2

Date of Request: 28-NOV-2016
Created By: RALYS_B On: 28-NOV-2016
Modified By: WATTS_J On: 28-NOV-2016
Customer: WQAP
Project: SMP
Division:
District:
Sampling Event: Killearn Lakes Chain of Lakes

Send Coolers To:

Phone: 850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Send Final Report To:

2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Program Module Number:

Priority: 3

Event Status: A

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 28-NOV-2016

Biology Request Reviewed By: WATTS_J On: 28-NOV-2016

Sampling Kit Required: NO Ship on:

Sampling Kit Shipped:

Sampling Kit Packed By:

Preservatives Needed: NO

Date to Receive Samples: 07-DEC-2016

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Bottle Group A: freshwater kit no metals

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
Total Alkalinity		
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Turbidity		
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
Chloride		
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Fluoride		
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
TDS		
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
TSS		

Bottle Type: BP-1L	Number of Bottles: 6	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Chlorophyll/Phaeophytin Ratio		
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		

Bottle Type: P-500ML	Number of Bottles: 6	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
Ammonia-N		
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
NO2NO3-N		
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter Biology 2

RQ- 2016-12-05-S9

Project SMP

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 09/23/2016

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Robert Wini	12/7/16	7:24	20.5	9.0	9.0	100	57.4	—	P	L
ICV	Robert Wini	12/7/16	7:25	20.5	9.0	9.0	100	51.3	—	P	L
CCV	Robert Wini	12/7/16	14:37	20.7	9.0	9.1	101	52.3	—	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Robert Wini	12/7/16	7:29	160330D	4/17	1000	1000	P	L
ICV	Robert Wini	12/7/16	7:30	160330D	4/17	1000	1002	P	L
CCV	Robert Wini	12/7/16	14:41	161111E	5/17	100	100	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Robert Wini	12/7/16	7:32	161111B	5/18	7.0	7.0	-21.9	P	L
Calibr.	Robert Wini	12/7/16	7:35	161111A	11/17	4.0	4.0	157.4	P	L
Calibr.	Robert Wini	12/7/16	7:37	160330C	10/17	10.0	10.0	-188.9	P	L
ICV	Robert Wini	12/7/16	7:39	161111A	11/17	4.0	4.0	157.2	P	L
CCV	Robert Wini	12/7/16	14:43	160330C	10/17	10.0	10.1	-193.9	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater